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## THE GENERIC, SPECIFIC AND LOWER CATEGORY NAMES OF THE NEARCTIC BUTTERFLIES

### PART 5 — *The Genus Heliconius*

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IN ADDITION TO THE GENERIC NAMES given here, the literature includes certain names subjectively synonymous with *Heliconius*. These names have not been included as they are not founded on type species occurring in the Nearctic area nor have they been applied to any of the Nearctic species and, furthermore, *Heliconius* has dating priority over them.

Although I can find no author who has applied it to the Nearctic species, the generic name *Laparus* Billberg has been included in order to provide a replacement for the preoccupied name *Migonitis* Hübner which has been used for certain Nearctic species.

Linnaeus' two spellings for *charitonius* (*emendatio*) have caused some confusion in the literature. This situation is discussed in the data for that name.

#### LIST OF GENERIC NAMES USED OR AVAILABLE FOR HELICONIUS

HELICONIUS Kluk.

Type. charitonius (Linnaeus).

APOSTAPHIA Hübner.

Type. charitonius (Linnaeus).

HELICONIA Godart.

Type. charitonius (Linnaeus).

HELICONIUS Latreille.

Type. charitonius (Linnaeus).

LAPARUS Billberg.

Type. erato (Linnaeus).

MIGONITIS Hübner.

Type. erato (Linnaeus).

MIGONITIS HÜBNER, 1816, Verz. Bekann. Schmett. (1): 12, no. 1. He included among others: "44. M. erato Linn." This name is preoccupied by Migonitis Rafinesque, 1815, Analyse: p. 147.

Type. P[apilio]. H[eliconius]. erato Linnaeus, 1758.

Syst. Nat. (10th. ed.), 1: 467, no. 54.

Type Selection, Scudder, [ 8 Apr. ] 1875<sup>1</sup>. Proc. Amer. Acad. Arts Sci. 10: 218-219, no. 698. He said: "Erato may be taken as the type."

LIST OF SPECIES AND LOWER CATEGORY NAMES USED OR AVAILABLE FOR HELICONIUS

1. HELICONIUS CHARITONIUS (LINNAEUS).  
charitonius (Linnaeus).  
tuckeri Comstock and Brown.  
vazquezae Comstock and Brown.
2. HELICONIUS PETIVERANUS (DOUBLEDAY).  
petiveranus (Doubleday).

1. HELICONIUS CHARITONIUS (LINNAEUS).

charitonius, P[apilio]. H[eliconius]. (emendatio) Linnaeus, 1767, Syst. Nat. (12th. ed.), 1(2): 757, no. 65; p. [1339], no. 65. "Habitat in America". No sex, series nor date data given. The name was given as charithonia on page 757 and as charitonia on page [1339]. As first revisors, Comstock and Brown (16 Oct. 1942, Amer. Mus. Nov. (1467): 1-2) selected charitonia as the proper spelling. Correct Latin grammar would seem to dictate the spellings charitonius and charithonius for use with either Papilio or Heliconius as they are both masculine. Maynard, 1891, Butt. N. Engl. (2nd. ed.): pl. 10 explanation page, for fig. 8, gave the name as Heliconia charionia, in error.

tuckeri, Heliconius charitonius W. P. Comstock and F. M. Brown, 16 Oct. 1950, Amer. Mus. Nov. (1467): fig. 3, no. F; p. 13, no. F; pp. 15-16; p. 19 (in pt.). "Holotype, Male: Winter Park, Florida, October 4". "Allotype, Female: Key Largo, Florida, July 15". "Paratypes: One hundred and twenty-five males and 99 females, all from Florida and Georgia". "The holotypes and allotypes of

HELICONIUS KLUK, 1802. *Zwierz. Hist. Nat. Pocz. Gospod.* 4: 82-84, no. 143. He included among others:

"17. - charitonia". Heliconius Kluk was included in the Official List Gen. Names Zool. (1): 126, no. 923. Hemming, 1958.

Type. P[apilio]. H[eliconius]. charitonus (emendatio)  
Linnaeus, 1767. *Syst. Nat.* (12th. ed.). 1(2):757, no. 65.

Type Selection, Hemming, Oct, 1933. *Entomologist*. 66(845): 223. He said: "Type = Heliconius charitonia Linn., Kluk."

APOSTRAPHIA HUBNER, 1816. *Verz. Bekann. Schmett.* (1): 13, no. 3. He included among others: "58. A. Charitonia Linn. . ."

Type. P[apilio]. H[eliconius]. charitonus (emendatio)  
Linnaeus, 1767. *Syst. Nat.* (12th. ed.). 1(2): 757, no. 65.

Type Selection, Scudder, [8 Apr.] 1875. *Proc. Amer. Acad. Arts Sci.* 10: 116, no. 106. He said: "Charithonia may be taken as type."

HELICONIA GODART, 1819. In Godart and Latreille in Latreille. *Ency. Meth.* 9(1):203-226. He included among others:

"22. . . Heliconia Charithonia."

Type. P[apilio]. H[eliconius]. charitonus (emendatio)  
Linnaeus, 1767. *Syst. Nat.* (12th. ed.). 1(2): 757, no. 65.

Type. Selection, Hemming, Oct, 1933. *Entomologist*. 66(845): 223. He said: "Type = Heliconia charitonia Linn., God."

HELICONIUS LATREILLE, 1804. *Nouv. Dict. Hist. Nat.* 24(Tab. Meth. Ins.): 185, 199. He included only:

"Papilio ricini, charitonia Fab." which were originally of Linnaeus. This name is both a homonym and synonym of Heliconius Kluk.

Type. P[apilio]. H[eliconius]. charitonus (emendatio)  
Linnaeus, 1767. *Syst. Nat.* (12th. ed.). 1(2): 757, no. 65.

Type Selection, Hemming, Sept, 1933. *Entomologist*. 66(844): 198. He said: "Type = Heliconius charitonia Fab. (= charithonia Linn.)."

LAPARUS BILLBERG, 1820. *Enum. Ins. Museo Billberg*: p. 77.

He included among others: "Doris . . . Linn." which is considered by Hemming (1934, p. 56, no. 102) as a synonym of P. H. erato Linnaeus, 1758.

Type. P[apilio]. H[eliconius]. erato Linnaeus, 1758.  
*Syst. Nat.* (10th. ed.). 1: 467, no. 54.

Type Selection, Hemming, 1934. *Entomologist*. 67: 37. He said: "Type - Papilio doris Linn., 1771 (= Papilio erato Linn., 1758)."

all new subspecies [described in Comstock's and Brown's paper] are in the collection of the American Museum of Natural History". Mather and Mather, 6 June 1958. *Tulane Studies Zool.* 6(2): 69, no. 10, spelled as tucgeri, in error.

vazquezae, Heliconius charitonius W. P. Comstock and F. M. Brown, 16 Oct. 1950. *Amer. Mus. Nov.* (1467): fig. 3, no. 6; p. 13, no. 6; p. 16; p. 19 (in pt.). "Holotype, Male: Campeche, Mexico, November". "Allotype, Female: Allende, Vera Cruz, Mexico, July". "Paratypes: Eighty-four males and 53 females, all from Mexico and Texas". The three Texas specimens are: one male, Sarita, Willacy County; one female, Corpus Christi, Nueces County; one female, New Braunfels, Comal County."

## 2. HELICONIUS PETIVERANUS (DOUBLEDAY).

petiverana, Hel[iconia]. Doubleday. [4 Aug. 1847]<sup>2</sup>.  
In Doubleday and Westwood, *Genera Diurn. Lepid.* 1(10): 103, no. 18. "Mexico, Honduras." No sex, series nor date data given. The author cited fig. 2, pl. 4, in Petiver's *Gazophylacium* (1702-11). The name is modified to petiveranus when transferred to the genus Heliconius for purposes of Latin grammar.

## REFERENCES CITED

Hemming, F. 1934. *Generic Names Holarct.* Butt. 1: i-vii, 1-184.

## FOOTNOTES

1. A copy of the work among the separates at the Allan Hancock Library (Univ. Sou. Calif.) (ex library, Boston Soc. Nat. Hist.) has the following printed label on the front wrapper: "Library of the Cambridge Entomological Club. Received April 8, 1875, by gift from the author."
2. Hemming. 1936-1943. *Jour. Soc. Bibliog. Nat. Hist.* 1: 335-464. Gave publication dates for the *Genera Diurn. Lepid.*